

Title (en)
CLUTCH ACTUATION DEVICE

Title (de)
KUPPLUNGSBETÄTIGUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COMMANDE EMBRAYAGE

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Application
EP 15808338 A 20151117

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Abstract (en)
[origin: WO2016082828A1] The invention relates to a clutch actuation device (1), in particular a disengagement system for a friction clutch (41) of a motor vehicle (47), comprising a master cylinder (2), a slave cylinder (3), and an actuator (4), via which the master cylinder (2) and the slave cylinder (3) are connected by means of a pressure line (5, 21, 23), wherein the actuator (4) has a shaft (8) that can be moved in an axial direction (7, 27, 31) by a motor (6), the shaft having at least two pistons (9, 10) movably arranged thereon, which can be moved in the axial direction (7) in a common cylinder (11), wherein a first pressure chamber (12) is arranged between the first piston (9) and the second piston (10) and a second pressure chamber (13) is arranged between the second piston (10) and an end wall (14) of the cylinder (11); wherein a first spring (15) connects the first piston (9) and a first stop (16) on the shaft (8) and a second spring (17) connects the second piston (10) to a second stop (18) on the end wall (14), wherein the second spring (17) moves the second piston (10) against a third stop (19) on the shaft (8); wherein a first connection (20) for a first pressure line (21) to the master cylinder (2) leads into the first pressure chamber (12) and a second connection (22) for a second pressure line (23) to the slave cylinder (3) leads into the second pressure chamber (13) in a region (24) that does not form a sealing surface (25) for the second piston (10); wherein a first bypass (26) is provided between the first pressure chamber (12) and the second pressure chamber (13), by means of which first bypass a fluidic connection of the master cylinder (2) and the slave cylinder (3) is possible, wherein the first bypass (26) can be closed by moving the shaft (8) and the third stop (19) and thus the second piston (10) in a first direction (27).

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